



7510-395-125

Material Safety Data Sheet

1.0 Product and Company Identification

identification of the preparation

**HP LaserJet Print Cartridge
92298A/X**

Company Identification

Hewlett-Packard Company
11311 Chinden Boulevard
Boise, Idaho 83714
United States

Emergency Telephone Number Hewlett-Packard Health Effects Line

1-800-457-4209 (USA and Canada)
503-494-7199 (USA direct)
Singapore: +001-800-332-13321

General Information Telephone Number

208-323-2551 (USA direct)

Local Contact Information

IrelandLiffey Park Technology Park
Barnhall Road Leixlip, Co.
Kildare, Ireland
Phone: 01 6150000**United Kingdom**Hewlett-Packard, Ltd.
Cain Road, Amen Corner
Bracknell, Berkshire, RG12 1 HN
Phone: 1344 36-0000

Hazard Rating	US NFPA/HMIS
Health	1
Flammability	1
Instability/Reactivity	0
Special	N/A

2.0 Composition/Information on Ingredients

This product is a toner preparation that is used in Hewlett-Packard 4, 4 Plus, 4M, 4M Plus, or 5 LaserJet printers.

Component/Substance	CAS Number	EU Number	% by Weight	Risk Phrases
Styrene Acrylate Copolymer			45 - 55	
Iron Oxide	1317-61-9	215-277-5	45 - 55	

3.0 Hazard Identification

The preparation is not classified according to EU Directive 1999/45/EC



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3.1 Routes of Exposure

Inhalation, ingestion, skin and eyes.

3.2 Acute Health Hazards

Inhalation: Minimal respiratory tract irritation may occur with exposure to large amount of toner dust

ingestion: Ingestion is not applicable route of entry for intended use.

Skin: Unlikely to cause skin irritation

Eyes: May cause eye irritation

3.3 Chronic Health Hazards

Prolonged inhalation of excessive amounts of any dust may cause lung damage. Use of this product as intended does not result in inhalation of excessive amounts of dust.

3.4 Carcinogenicity

Refer to section 11.

4.0 First Aid Measures

inhalation : Move person to fresh air immediately. If symptoms occur,-consult a physician.

Ingestion: Rinse mouth with water. Drink one to two glasses of water. If symptoms occur, consult a physician.

Skin: Wash affected areas thoroughly with soap and water. If symptoms occur, consult a physician.

Eyes: Immediately flush with large amounts of clean, lukewarm water (low pressure) for at least 15 minutes. If symptoms occur, consult a physician.

5.0 Fire Fighting Measures

Extinguishing media CO₂, water, dry chemical

Unsuitable Extinguishing Media None known

Special Firefighting Procedures None

Unusual fire and explosion hazards Toner material, like most organic material in powder form, is capable of creating a dust explosion

Auto-ignition temperature No data available

Flashpoint (method) Not applicable

Hazardous Combustion Products Combustion will produce carbon dioxide and, possibly toxic chemicals such as carbon monoxide.

6.0 Accidental release measures

6.1 Spill or leak procedures Wear personal protective equipment as described in Section 8. Minimize the release of **particulates**. Vacuum or sweep the material into a bag or other sealed container and dispose in accordance with local requirements.



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6.2 Environmental precautions

Do not discharge into drains (See also section 13 Disposal Considerations).

7.0 Handling and Storage

Advice on safe handling and protection against fire

Keep material out of reach of children. Avoid inhalation of dust and contact with eyes. Keep away from excessive heat, sparks, and open flames.

Requirements for storage rooms and advice on storage compatibility

Keep container closed and store at room temperature. Keep away from strong oxidizers.

18.0 Exposure control/ personal protection

8.1 Exposure Limit Values

USA OSHA (TWA)/PEL):

15 mg/m³ (Total Dust)

5 mg/m³ (Respirable Fraction)

ACGIH (TWA/TLV):

10 mg/m³ (Inhalable Particulate)

3 mg/m³ (Respirable Particulate)

TRGS 900 (Luftgrenzwert):

10 mg/m³ (Einatembare Partikel)

3 mg/m³ (Alveolengangige Fraktion)

8.2 Exposure Controls

Respiratory protection

Not required under intended use

Ventilation

Good general ventilation should be sufficient under intended use

Protective gloves

Not required under intended use

Eye protection

Not required under intended use

Other protective equipment

Not required under intended use

9.0 Physical and chemical properties

pH Not applicable

Boiling point Not applicable

Flash point Not applicable

Melting point 100 - 150°C (Softening Point)

Flammability Non-flammable solid (according to test methods of USA 16 CFR 1500.44 and 84/449/EEC (Annex V) A.IO)

Explosive properties Toner material, like most organic material in powder form, is capable of creating a dust explosion

Oxidizing properties No data available

Vapor Pressure Not applicable

Specific gravity (H₂O=1) 1.4 - 1.6

Solubility in water Negligible

Solubility in organic solvents Partially soluble in toluene and xylene

Partition coefficient Not applicable



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Viscosity Not applicable
Vapor density Not applicable
Evaporation rate Not applicable
Physical state Fine powder
Color Black
Odor Slight plastic odor
Other None known

10.0 Stability and reactivity

Stability Stable under normal storage conditions
Incompatibilities Strong oxidizers
Hazardous decomposition products Combustion will produce carbon dioxide and, possibly toxic chemicals such as carbon monoxide.
Hazardous polymerization Will not occur.

11.0 Toxicological information

Refer to Section 3 for potential health effects and Section 4 for first aid measures

Acute Toxicity:

Skin Contact: Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC

Chronic Toxicity: No data available

Other Toxicity Data:

Mutagenicity: Negative, does not indicate mutagenic potential, (Ames Test: Salmonella typhimurium).

Carcinogenicity: Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).

12.0 Ecological Information

No data available for ecological and wastewater treatment (sewage) systems

13.0 Disposal considerations

Product / unused product / contaminated packaging (for Germany only)

Recommendation: consultation with the disposal agency and the relevant authorities; cleansing agent is water.

14.0 Transportation information

Not a regulated article under DOT, IATA, ADR, or RID

UN Number None

Class None

Proper Shipping Name None



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Packing Group None

Special Precautions None

15.0 Regulatory information

US EPA TSCA Inventory All ingredients are listed on TSCA inventory

US EPA TSCA 12(b) None

US California Proposition 65 None

EU Notification All components in this product are compliant with
EU Chemical Inventory regulations.

EU R&S Phrase information No European Risk Phrases (labeling data)

Dangerous Components None

(CAS No.) wt%

USA Labeling

Signal Word Not required

Hazard Warning Not required

Safety Advice Not required

Hazardous Component(s) None

16.0 Other information

Date Prepared: August 1, 2002

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Number:

Revision Information: This document replaces all prior versions of the MSDS

Other Information This MSDS was prepared in compliance with EU Directive
91/155/EEC as amended by 2001/58/EC and USA OSHA
Hazard Communications regulations (29CFR1910.1200)

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